

## TPW 555 UNGAR ELECTRIC SOLDERING IRON DESCRIPTION, MAINTENANCE AND PIECE-PART INFORMATION

### 1. GENERAL

1.01 This section contains descriptive, maintenance, piece-part and ordering information for the TPW 555 UNGAR\* energy saving electric soldering iron.

1.02 (Reserved for future use.)

1.03 The TPW 555 UNGAR soldering iron replaces the KS8740 and KS14440 soldering coppers.

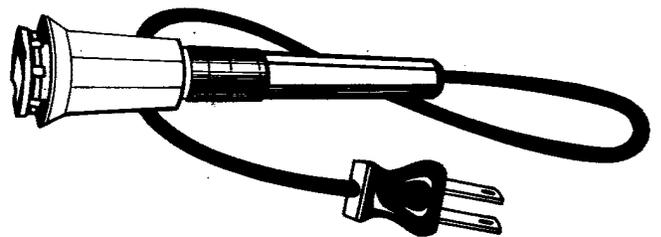


Fig. 1

### 2. DESCRIPTION

2.01 TPW 555 UNGAR soldering iron statistics are as follows:

Weight	8 ounces
Length	9 inches
Power consumption	45 watts
Tip temperature	850°
Heating time	2 minutes
Double insulated	
UL approved	

2.02 Usage: The TPW 555 UNGAR soldering iron is designed for continuous use on distributing frames and general purpose use in central offices and other locations. The energy savings and short heating interval make this soldering iron economically attractive.

2.03 Power Cord and Handle: Two (2) power cord lengths are provided. The TPW 555-9 has a 9-foot cord for use on rolling ladders equipped with power outlets and for other locations where a short cord is required. The TPW 555-20 has a 20-foot cord for locations where a long cord is required (see Fig. 1).

2.04 Tip and Heating Element: The tip and heating element are supplied as a single unit. Two (2) types of tip are available. The TPW 363 tip is used on distributing frames and for general purposes. The TPW 362-151 tip is used on equipment and other locations where a small tip is required. The TPW 363 tip and heating element will provide three (3) to four (4) month's continuous service in distributing frame operations (see Fig. 2).

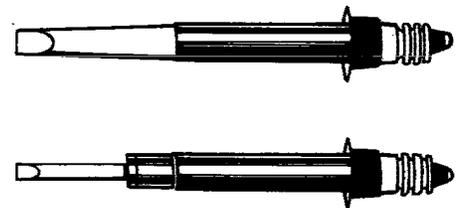


Fig. 2

2.05 Sponge and Tray: The TPW 455 Kleen Tip sponge is used to clean the soldering iron tips. This sponge also works on the KS iron plated tips. The TPW3 sponge tray mounts on the 504A soldering copper holder (see Fig. 3).

\*Registered trademark, Division of Eldon Industries, Inc.

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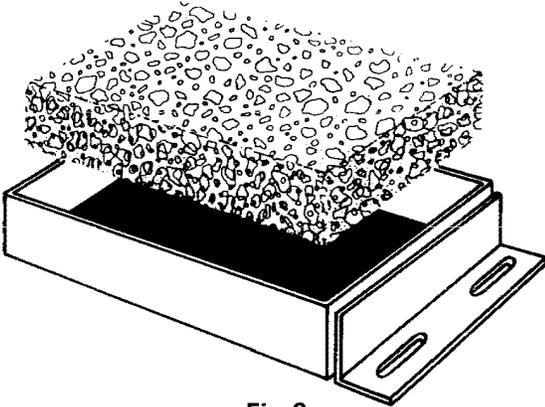


Fig. 3

**2.06 Iron Holder:** The TPW1 retrofit iron holder is used to convert the 504A soldering copper holder for use with the TPW 555 UNGAR soldering iron (see Fig. 4).

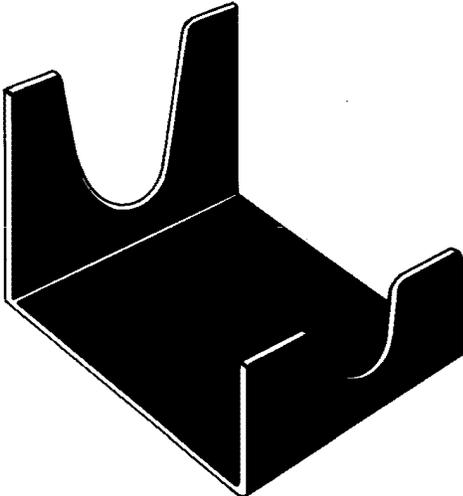


Fig. 4

### 3. MAINTENANCE

**3.01** No work should be attempted on the soldering iron until it has been disconnected from the electrical outlet and allowed to cool.

**3.02 Inspection:** A visual inspection of the soldering iron should be made prior to each use. Look for a worn or defective cord, plug, handle, barrel or tip. Replace defective parts prior to usage.

**3.03 Tip Tinning:** New tips must be tinned as soon as the iron reaches operating temperature or tip damage will occur. Apply a liberal amount of solder to the soldering surface of the tip. Observe that the solder flows evenly over the soldering surface. Wipe the tip on a damp TPW 455 Kleen Tip

sponge. Apply additional solder to the tip and return the soldering iron to the holder.

**3.04 Tip Care:** The tip and barrel of the soldering iron should not be tapped on the iron holder or other objects. This will decrease the life of the heating element. The tip should be cleaned by wiping it on a damp TPW 455 Kleen Tip sponge. A small amount of solder should be left on the tip when the iron is replaced in the holder.

**3.05 Tip and Barrel Replacement:** The tip, barrel and heating element are a single unit. Disconnect the soldering iron from the electrical outlet and allow the iron to cool. Grasp the handle in one hand and the barrel in the other. Twist the barrel counter clockwise until it unscrews from the handle. Screw the new unit into the base by hand. Do not overtighten.

**3.06 Kleen Tip Sponge:** The TPW 455 Kleen Tip sponge must be moist to clean the iron tip. Water must be added to the sponge at a frequency determined by local environmental conditions. An empty plastic squeeze bottle dispenser (such as those used for liquid dishwashing soap) should be obtained locally. Add only enough water to moisten the sponge. Do not spill water on equipment or floor.

### 4. PIECE-PART AND ORDERING INFORMATION

**4.01** The TPW 555 UNGAR soldering iron kits and piece-parts are ordered from the Picwik Co. in the General Trade Products Catalog.

**4.02 TPW 2-9 Energy Saving Iron Kit:** This kit contains the following items:

- 1 ea. TPW 555-9
- 1 ea. TPW 1
- 1 ea. TPW 363
- 1 ea. TPW 3
- 1 ea. TPW 455

**4.03 TPW 2-20 Energy Saving Iron Kit:** This kit contains the following items:

- 1 ea. TPW 555-20
- 1 ea. TPW 1
- 1 ea. TPW 363
- 1 ea. TPW 3
- 1 ea. TPW 455